

CURABLE, POWDER-BASED COATING COMPOSITION INCLUDING A COLOR EFFECT-PROVIDING PIGMENT

ABSTRACT OF THE DISCLOSURE

5 A powder-based coating composition for coating a substrate, having a first color effect, with a film layer is disclosed. Application of the film layer to the substrate produces a second color effect different from the first color effect. The composition includes a powder-based binder and a color effect-providing pigment. The powder-based binder is the reaction product of a resin, having a functional group, and a cross-linking agent reactive with the functional group. The color effect-providing pigment includes a pigment substrate and an inorganic coating. The pigment substrate has first and second substantially parallel and planar surfaces, and the inorganic coating is disposed on the first and second surfaces. The inorganic coating has an index of refraction of 1.8 or less. To produce the second color effect, the inorganic coating and the pigment substrate of the color effect-providing pigment interact with the first color effect of the substrate upon application of the film layer to the substrate.

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